

## FINDS Nitric Acid Articles Index 1986 - 2001

Q	Year	Title	Author	Topic
3Q	1987	<b>Moving a Nitric Acid Plant</b>	J.R. Isbell	Relocation schedule, procedure, and cost
1Q	1988	<b>Nitric Acid – Reverse Design Can Save Money</b>	Donald Bolme	Revamping a nitric acid plant
1Q	1990	<b>Zirconium Cooler Condensers, Nitric Acid Update</b>	R.T. Webster	List of nitric acid plants using zirconium
3Q	1990	<b>Rhodium Price Excursion</b>	Gordon Bassett	Price explosion
2Q	1991	<b>Potassium Nitrate – Environmentally Superior, Produces Greater Crops</b>	Roger Smith	Potassium nitrate's advantages
2Q	1991	<b>Nitric Acid Plant Replacement</b>	Larry Shay	Making the replacement decision
2Q	1991	<b>Ammonia Oxidation Catalyst Deactivation</b>	Steven Heffernen	Common gauze contaminants
3Q	1991	<b>New Filter Medium Improves Nitric Acid Process</b>	Neal Berkley, Frank Cates	Air filter
3Q	1991	<b>Nitric Acid – Cobalt Catalyst</b>	Al Nadir Caglayan	Cobalt versus platinum
2Q	1992	<b>A Zirconium Nitric Acid Reboiler</b>	Bruce Beckwith	Nitric acid concentrator
2Q	1992	<b>New Platinum Filter</b>	Lloyd Thomas, David Warren	Platinum recovery
2Q	1992	<b>Knitted Catalyst</b>	Horner, Heffernen, Hochella	Johnson Matthey's catalysts
1Q	1993	<b>Pressure Safety Valves in Nitric Acid Plants</b>	Raymond Schneider	OSHA Rule 29 and CFR 1910.119
1Q	1993	<b>Precious Metals Update</b>	Gordon Bassett	Supply, demand, and prices
2Q	1993	<b>Nitric Acid Catalyst</b>	William Hochella	Johnson Matthey's catalysts
4Q	1993	<b>Nitric Acid Catalyst</b>	Craig Ostroff	Englehard's catalysts
4Q	1993	<b>Platinum Group Metals – Avoiding Pitfalls</b>	Bill Traynor	Refining and metal losses and other costs
1Q	1994	<b>The Fundamentals of a Platinum Collection System</b>	Brian Woodward	Economic analysis of PGM recovery
2Q	1994	<b>Precious Metals Update</b>	Gordon Bassett	Supply, demand, and prices
3Q	1994	<b>Nitric Acid Market</b>	David Buckman	North American producers and users
3Q	1994	<b>Precious Metals</b>	Bill Traynor	How to avoid paying too much
3Q	1994	<b>Nitric Acid Revamps</b>	Achhar Parihar	Process modeling of nitric acid and nitrate plants
4Q	1994	<b>UAN Manufacturing</b>	H.F. Perrée	Stamcarbon process description
4Q	1994	<b>Nitric Acid Plant Relocation</b>	Richard Osiewi	Relocation to Brandon, Manitoba
1Q	1995	<b>Explosion</b>	Green Markets	Port Neal ammonium nitrate blast
1Q	1995	<b>Precious Metals Update</b>	Gordon Bassett	Supply, demand, and prices
2Q	1995	<b>Oklahoma City Explosion</b>	Larry Shay	Ammonium nitrate – powerful explosive
2Q	1995	<b>PGM Catalyst Supports</b>	Bill Hochella	Catalyst carriers
3Q	1995	<b>Nitric Acid</b>	Achhar Parihar	Process modeling update
1Q	1996	<b>Precious Metals Update</b>	Gordon Bassett	Supply, demand, and prices
1Q	1996	<b>Nitric Acid Catalysts</b>	William Hochella	Johnson Matthey catalysts
1Q	1997	<b>Precious Metals Update</b>	Gordon Bassett	Supply, demand, and prices
3Q	1997	<b>Optimizing Catalyst Use in Nitric Acid Production</b>	Andrew Christie & David Kelley	Software package
4Q	1997	<b>Precious Metal Lease Rates</b>	Craig Ostroff	Metal shortage
4Q	1997	<b>Platinum Particulate</b>	Dean Pruette	Filter elements
1Q	1998	<b>Precious Metals Update</b>	Gordon Bassett	Supply, demand, and prices
1Q	1998	<b>Nitric Acid: Platinum Particulate Recovery from the Hot Gas Stream</b>	Dean Pruette	Filter elements
3Q	1998	<b>Platinum Price</b>	Keith Stokes	Price update
1Q	1999	<b>Precious Metals Update</b>	Gordon Bassett	Supply, demand, and prices
2Q	1999	<b>Zirconium in Nitric Acid/Ammonium Nitrate Plants</b>	Rob Henson	Properties, fabrication techniques
2Q	1999	<b>U.S. Nitric Acid: A Look Back</b>	Dennis Johnson	The U.S. nitric acid and ammonium nitrate markets
3Q	1999	<b>Nitric Acid: Upgrading the Reliability of a Hot Gas Expander</b>	John East & Wayne Holton	Revamping an expander
2Q	2000	<b>Precious Metals Update</b>	Gordon Bassett	Supply, demand, and prices
2Q	2000	<b>Erdachemie Nitric Acid Plant</b>	News Brief	Large plant, single burner
2Q	2001	<b>Precious Metals Update</b>	Gordon Bassett	Supply, demand, and prices
2Q	2001	<b>Nitrous Oxide Abatement Unit</b>	Rainer Maurer & Michael Groves	Greenhouse effect
3Q	2001	<b>Stainless Steel for Nitric Acid Service</b>	Knut Tersmeden	Corrosion
4Q	2001	<b>Ammonium Nitrate Producers' Study Group 2001</b>	Keith Stokes	Lake Louise, Alberta/Toulouse explosion

## FINDS Fuel Cell Articles Index 1997 - 2001

Q	Year	Title	Author	Topic
3Q	1997	<b>Fuel Cell Update</b>	Pinakin Patel	Direct fuel cells
2Q	1998	<b>Fuel Cells</b>	Pinakin Patel	International Fuel Cell Corporation
3Q	1998	<b>Fuel Cells</b>	Pinakin Patel	Department of Energy program goals
4Q	1998	<b>Fuel Cell Vehicle Alliances</b>	Keith Stokes	Daimler-Benz/Ford Motor Company alliance
1Q	1999	<b>Fueling Fuel Cell Vehicles</b>	Alastair Livesey	An oil company perspective
2Q	1999	<b>Fuel Cell Milestone</b>	Pinakin Patel	Commissioning the world's most advance DFC
4Q	1999	<b>Hybrid Cars Diminish Fuel Cell Vehicles' Prospects</b>	Keith Stokes	Gasoline/electric hybrids
4Q	1999	<b>Fuel Cell Update</b>	Pinakin Patel	Methanol fuel's prospects
4Q	1999	<b>Making Methanol Affordable for Fuel Cell Applications</b>	T.J. Fitzpatrick	Large plant economics
1Q	2000	<b>Fuel Cells - Where the Action Is</b>	Keith Stokes	Cell phone development
2Q	2000	<b>Fuel Cells - Ammonia Cracking</b>	Keith Stokes	Carbon monoxide-free hydrogen
3Q	2000	<b>Fuel Cell Update</b>	Pinakin Patel	Commercialization results to date
4Q	2000	<b>Fuel Cell Fuels</b>	Keith Stokes	Prices per million Btus
1Q	2001	<b>Fuel Cells - Mass Production in Its Infancy</b>	Keith Stokes	Commercialization
2Q	2001	<b>DuPont Fuel Cells</b>	Keith Stokes	New business unit
4Q	2001	<b>Fuel Cell Update</b>	Keith Stokes	Issuing stock to raise capital